**Class: Person**

+ name: string

+ id: int

+ displayInfo(): void

**Class: Student : Person**

+ rollNumber: int

+ program: string

+ semester: int

+ showAcademicInfo(): void

**Class: Teacher : Person**

+ subject: string

+ department: string

+ showTeachingInfo(): void

**Class: Course**

+ courseCode: string

+ title: string

+ creditHours: int

+ showCourseInfo(): void

**Class: StudentManagement**

+ students[100]: Student

+ teachers[50]: Teacher

+ courses[50]: Course

+ enrollStudent(): void

+ assignTeacher(): void

+ addCourse(): void